**2013 – 2014**

**List of Staff Areas of Interests – (staff will also supervise a wide range of other areas)**

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| **Name** | | **Room** | | **Areas of Interest** | |
| Dr M Antoniou | | 213 | | Bi and multi-static radar systems, passive radar, imaging radar, radar imaging processing. | |
| Mr PR Atkins | | 412 | | Sensors, underground mapping, signal-processing, sonar systems, navigation, radio and acoustic communications. | |
| Prof C Baber | | 135 | | Human factors integration, body-wearable computers, pervasive computing, augmented reality. | |
| Dr MA Brdys | | NG19 | | Control systems: structures, algorithms, intelligence. Applications: drinking water distribution networks, electrical power grids, autonomous unmanned vehicles, process control. Integrated monitoring, control and security of Critical Infrastructure Systems. | |
| Dr S Bull | | 319 | | Artificial intelligence in education, adaptive systems, learner modelling, user modelling, personalization. | |
| Dr G Castellano | | 317 | | Context-based social perception, affect recognition from the face and body, multimodal affect-sensitive human-computer and human-robot interaction | |
| Prof M Cherniakov | | 113A | | Mobile communication systems, radar systems and sensors. | |
| Dr PA Childs | | 513 | | Modelling of semi-conductor devices, measurement of the electronic properties of metallic single-walled carbon nanotubes, modelling of graphene based devices, X-ray propagation in carbon nanotubes | |
| Dr T Collins | | 125 | | Signal processing, building and underwater acoustics, electronics, audio and music processing. | |
| Dr CC Constantinou | | 209 | | Communications Networks (protocols, simulation, radio networks), Electromagnetics (Radio Propagation, Radio System Planning, Antennas), Radio Systems. | |
| Dr N Cooke | | 313 | | Gaze and speech centric multimodal interaction. Interactive 3D serious games. | |
| Dr A Feresidis | | 417 | | Antennas for modern wireless communication systems, electromagnetic meta-materials and applications, microwave circuits. | |
| Dr P Gardner | | 431 | | Microwave circuits, active antennas, radio receivers and transmitters. | |
| Dr M Gashinova | | 416 | | Bistatic radars, signal processing, theoretical modelling in propagation and numerical techniques for microwave structures modelling and design | |
| Dr H Ghafouri-Shiraz | | 208 | | Optical fiber communications, Optical Devices, Optical Networks, Microwave Devices and Microstrip Antennas for Wireless Communications. | |
| Dr S Hillmansen | | 119 | | Power electronics, energy conversion, railway systems, finite-element analysis. | |
| Dr F Huang | | 215 | | Passive microwave components, filters. | |
| Dr T. Jackson | | 517 | | Characterisation of materials at microwave frequencies. | |
| Dr P Jancovic | | 518 | | Robust Speech Recognition, Speech Processing, Noise Reduction, Audio-Visual Speech Processing, Pattern Recognition, Digital Signal Processing. | |
| Prof MJ Lancaster | | 129 | | Microwave components, antennas. | |
| Dr M Oussalah | | 214 | | Social Network, Location Based Services, Text and Data mining, Object Tracking, Information Fusion | |
| Mr D Pycock | | 411 | | Computer vision, medical image interpretation, Active Vision, Colour Image Processing, Medical and Physiotherapy Electronics, radar signal processing | |
| Dr SF Quigley | | 115 | | Digital systems (VHDL), reconfigurable computing. | |
| Prof MJ Russell | | 132 | | Speech and language technologies, Information Retrieval, Data Mining | |
| Dr PA Smith | | 519 | | Novel devices for communication filters, electromagnetic modelling, materials for communications applications. Communications components. | |
| Dr M Spann | | 415 | | Vision systems, digital signal processing, pattern recognition, internet-based applications. Visual tracking based on statistical models. | |
| Mr EJ Stewart | | 120 | | Condition monitoring, microprocessor based instrument systems, railway systems | |
| Prof R J Stone | 131 | | Virtual Reality, “Serious Games” and Simulation; Augmented Reality; Virtual Heritage; Medical Technologies and Simulation; Telerobotics; Human Factors. | |
| Dr E Tarte | 318 | | Bioelectric sensor development plus simulation and modelling of bioelectric phenomena | |
| Dr P Tricoli | 118 | | Power electronics, electrical machines and drives, energy storage for railways, power converters for renewable energy sources. | |
| Prof XP Zhang | 312 | | Micro-generation and micro grid. Power systems economics, smart grids. Embedded generation. | |